

[0023] According to an example embodiment of the invention, a method comprises:

[0024] wherein the wireless discovery request packet is a SCAN\_REQ PDU packet and the indication associated with the neighbor awareness network on which the determination resulted a match is a non-resolvable private address format in a ScanA field of the SCAN\_REQ PDU packet.

[0025] According to an example embodiment of the invention, a method comprises:

[0026] waiting, by the apparatus, for a wireless discovery response packet including the indication associated with the available neighbor awareness network on which the match occurred.

[0027] According to an example embodiment of the invention, an apparatus comprises:

[0028] at least one processor;

[0029] at least one memory including computer program code;

[0030] the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to:

[0031] insert an indication associated with a neighbor awareness network to be advertised to an apparatus address field of a wireless advertisement packet; and

[0032] transmit the wireless advertisement packet including the inserted indication associated with the neighbor awareness network to be advertised.

[0033] According to an example embodiment of the invention, an apparatus comprises:

[0034] wherein the apparatus address field is a non-resolvable private address format in an AdvA field of either the Bluetooth Low Energy ADV\_IND PDU packet or the Bluetooth Low Energy ADV\_SCAN\_IND PDU packet.

[0035] According to an example embodiment of the invention, an apparatus comprises:

[0036] the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to:

[0037] receive one or more wireless discovery request packets in response to the transmitted wireless advertisement packet;

[0038] determine whether any of the received wireless discovery request packets matches with the advertised neighbor awareness network by filtering sender address field indication of each of the received one or more wireless discovery request packets with the identity corresponding with the advertised neighbor awareness network; and

[0039] transmit a wireless discovery response packet in response to the received wireless discovery request packet, including the indication associated with the neighbor awareness network.

[0040] According to an example embodiment of the invention, an apparatus comprises:

[0041] at least one processor;

[0042] at least one memory including computer program code;

[0043] the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to:

[0044] maintain an indication of a neighbor awareness network in which the apparatus wishes to operate;

[0045] receive a wireless advertisement packet including an indication in a sender address field of the advertisement

packet associated with a neighbor awareness network available in a source apparatus of the advertisement packet;

[0046] determine whether the neighbor awareness network indicated available in the received wireless advertisement packet matches with the neighbor awareness network in which the apparatus wishes to operate by filtering the sender address field indication of the received wireless advertisement packet with the maintained neighbor awareness network indication; and

[0047] transmit a wireless discovery request packet, including an indication associated with the neighbor awareness network in which the apparatus wishes to operate when the determination resulted in a match.

[0048] According to an example embodiment of the invention, an apparatus comprises:

[0049] wherein the wireless advertisement packet is a Bluetooth Low Energy ADV\_IND PDU packet or a Bluetooth Low Energy ADV\_SCAN\_IND PDU packet and the sender address field of the wireless advertisement packet is a non-resolvable private address format in an AdvA field of either the Bluetooth Low Energy ADV\_IND PDU packet or the Bluetooth Low Energy ADV\_SCAN\_IND PDU packet.

[0050] According to an example embodiment of the invention, an apparatus comprises:

[0051] wherein the wireless discovery request packet is a SCAN\_REQ PDU packet and the indication associated with the neighbor awareness network on which the determination resulted a match is a non-resolvable private address format in a ScanA field of the SCAN\_REQ PDU packet.

[0052] According to an example embodiment of the invention, an apparatus comprises:

[0053] the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to:

[0054] wait for a wireless discovery response packet including the indication associated with the available neighbor awareness network on which the match occurred.

[0055] According to an example embodiment of the invention, a computer program product comprising computer executable program code recorded on a computer readable non-transitory storage medium, the computer executable program code comprising:

[0056] code for inserting, by an apparatus, an indication associated with a neighbor awareness network to be advertised to an apparatus address field of a wireless advertisement packet; and

[0057] code for transmitting, by the apparatus, the wireless advertisement packet including the inserted indication associated with the neighbor awareness network to be advertised.

[0058] According to an example embodiment of the invention, a computer program product comprising computer executable program code recorded on a computer readable non-transitory storage medium, the computer executable program code comprising:

[0059] code for receiving, by the apparatus, one or more wireless discovery request packets in response to the transmitted wireless advertisement packet;

[0060] code for determining, by the apparatus, whether any of the received wireless discovery request packets matches with the advertised neighbor awareness network by filtering sender address field indication of each of the received one or more wireless discovery request packets with the identity corresponding with the advertised neighbor awareness network; and